IFW

Docket No.: 066821-0235 **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Reed, John C., et al.	Customer No.: 41552
Appl. No.	:	10/679,246	Confirmation No.: 8403
Filed	:	October 02, 2003	
Title	:	NUCLEIC ACID ENCODING PROTEINS INVOLVED IN PROTEIN DEGRADATION PRODUCTS AND METHODS RELATED THERETO	
Grp./A.U.	:	1653	
Examiner:	:	NOT YET ASSIGNED	

CERTIFICATE OF MAILING (37 CFR. § 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail as First Class Mail under 37 CFR 1.8(a) in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 21, 2005.

Kate Lane

Kate Lane

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application.

Also attached: 1 Information Disclosure Listing of Reference
50 References

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 502624, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

MCDERMOTT WILL & EMERY LLP

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Date: January 21, 2005

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INFORMATION DISCLOSURE STATEMENT

Mail Stop
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 502624 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

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Please recognize our Customer No. 41552 as our correspondence address.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

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APPLICANT: **Reed, John C., et al.**	
FILING DATE: **October 02, 2003**	GROUP: **1653**

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code2 (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US	6,638,734	10-28-2003	REED et al.	
	2	US	5,851,791	12-22-1998	VIERSTRA et al.	
		US				
		US				
		US				
		US				

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Code3 -Number 4 -Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes	Translation No
	3	WO 97/22695	06-26-1997	PCT			
	4	WO 98/41624	09-24-1998	PCT			
	5	WO 98/42741	10-01-1998	PCT			
	6	WO 99/18989	04-22-1999	PCT			
	7	WO 99/46374	09-16-1999	PCT			
	8	WO 99/47540	09-23-1999	PCT			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	9	ALTSCHUL et al., "Gapped BLAST and PSI-BLAST: A New Generation of Protein Database Search Programs," Nucleic Acids Res. 25:3389-3402 (1997)	
	10	AMSON et al., "Isolation of 10 Differentially Expressed cDNAs in P53-induced Apoptosis: Activation of the Vertebrate Homologue of the Drosophila Seven in Absentia Gene," PNAS, USA 93:3953-3957 (1996)	
	11	CENCIARELLI et al., "Identification of a family of human F-box proteins," Current Biology 9(20):1177-1179 (1999)	
	12	CIECHANOVER, A., "The Ubiquitin–proteasome Pathway: on Protein Death and Cell Life," EMBO J. 17(24):7151-7160 (1998)	
	13	COHEN et al., "An Artificial Cell-cycle Inhibitor Isolated from a Combinatorial Library," Proc. Natl. Acad. Sci. 95:14272 (1998)	
	14	COLAS et al., "Genetic Selection of Peptide Aptamers That Recognize and Inhibit Cyclin-dependent Kinase 2," Nature 380:548 (1996)	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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	15	FABBRIZIO et al., "Inhibition of mammalian cell proliferation by genetically selected peptide aptamers that functionally antagonize E2F activity," Oncogene 18:4357 (1999)	
	16	FEARON et al., "Identification of a Chromosome 18q Gene That Is Altered in Colorectal Cancers," Science 247:49-56 (1990)	
	17	FILIPEK and KUŸNICKI, "Molecular cloning and expression of a mouse brain cDNA encoding a novel protein target of calcylin," Journal of Neurochemistry 70(5):1793-1798 (1998)	
	18	GEYER et al., "'Mutagenesis' by Peptide Aptamers Identifies Genetic Network Members and Pathway Connections," Proc. Natl. Acad. Sci. 96:8567 (1999)	
	19	HUIBREGTSE et al., "A Family of Proteins Structurally and Functionally Related to the E6-AP Ubiquitin-Protein Ligase," Proc. Natl. Acad. Sci. USA 92:2563-2567 (1995)	
	20	HU and FEARON, "Siah-1 N-terminal RING domain is required for proteolysis function, and C-terminal sequences regulate oligomerization and binding to target proteins," Molecular and Cellular Biology 19(1):724-732 (1999)	
	21	HU et al., "Characterization of Human Homologs of the Drosophila Seven in Absentia (Sina) Gene," Genomics 46:103-111 (1997)	
	22	KAMURA et al., "The Elongin BC Complex Interacts with the Conserved Socs-box Motif Present in Members of the SOCS, ras, WD-40 Repeat, and Ankyrin Repeat Families," Genes Dev. 12:3872-81 (1998)	
	23	KINZLER et al., "Lessons from Hereditary Colorectal Cancer," Cell 87(2):159-170 (1996)	
	24	KORINEK et al., "Constitutive Transcriptional Activation by a Beta-catenin-Tcf Complex in APC-/- Colon Carcinoma," Science 275:1784-1787 (1997)	
	25	LATRES et al., "The Human F Box Protein Beta-trcp Associates with the Cul1/skp1 Complex and Regulates the Stability of Beta-catenin," Oncogene 18:849-854 (1999)	
	26	LI et al., "Photoreceptor Cell Differentiation Requires Regulated Proteolysis of the Transcriptional Repressor Tramtrack," Cell 469-478 (1997)	
	27	MATSUZAWA et al., "P53-inducible Human Homologue of Drosophila Seven in Absentia (Siah) Inhibits Cell Growth: Suppression by BAG-1," EMBO J. 17(10):2736-2747 (1998)	
	28	MORIN et al., "Activation of ÿ-Catenin–Tcf Signaling in Colon Cancer by Mutations in ÿ-Catenin or APC," Science 275:1787-1790 (1997)	
	29	NEMANI et al., "Activation of the Human Homologue of the Drosophila Sina Gene in Apoptosis and Tumor Suppression," Proc. Natl. Sci. USA 93:9039-9042 (1996)	
	30	PATTON et al., "Combinatorial Control in Ubiquitin-dependent Proteolysis: Don't Skp the F-Box Hypothesis," TIG 14(6):236-243 (1998)	
	31	RUBINFELD et al., "Stabilization of b-Catenin by Genetic Defectsin Melanoma Cell Lines," Science 275:1790-1792 (1997)	
	32	STARR and HILTON, "Negative Regulation of the JAK/STAT Pathway," Bioessays 21:47-52(1999)	

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	33	TAKAYAMA et al., "Cloning and Functional Analysis of Bag-1: a Novel Bcl-2-binding Protein with Anti-cell Death Activity," Cell 80(2):279-284 (1995)	
	34	TANG et al., "PHYL Acts to Down-regulate TTK88, a Transcriptional Repressor of Neuronal Cell Fates, by a SINA-dependent Mechanism," Cell 90:459-467 (1997)	
	35	TYERS and WILLEMS, "One Ring to Rule a Superfamily of E3 Ubiquitin Ligases," Science 284:601-604 (1999)	
	36	WINSTON et al., "The SCFb-TRCP–Ubiquitin Ligase Complex Associates Specifically with Phosphorylated Destruction Motifs in IkBa and ÿ-Catenin and Stimulates IkBa Ubiquitination In Vitro," Genes & Dev. 13:270-283 (1999)	
	37	ZHANG et al., "p19Skp1 and p45Skp2 Are Essential Elements of the Cyclin A-cdk2 S Phase Kinase," Cell 82(6):915-925 (1995)	
	38	EMBL Database Accession No.: AL035305	
	39	EMBL Database Accession No.: 075986	
	40	EMBL Database Accession No.: Q9UKT2	
	41	EMBL Database Accession No.: Q9UKT4	
	42	EMBL Database Accession No.: Q9UK97	
	43	EMBL Database Accession No.: Q9Y3I1	
	44	EMBL Database Accession No.: Q9Y593	
	45	GenBank Accession No.: AA054272	
	46	GenBank Accession No.: AA258606	
	47	GenBank Accession No.: AA923663	
	48	GenBank Accession No.: AA418482	
	49	GenBank Accession No.: AI167464	
	50	GenBank Accession No.: AL031178	

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